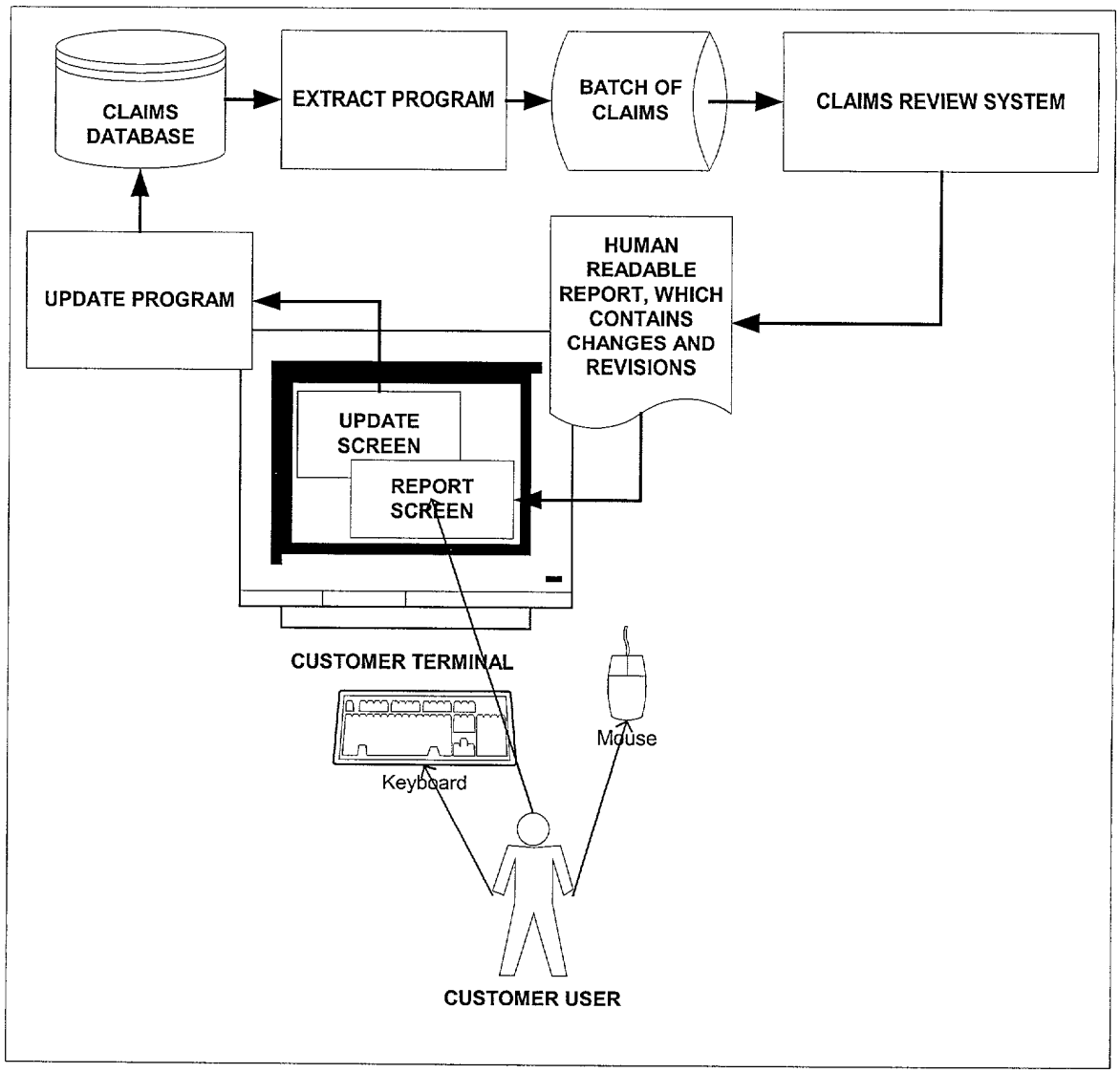
Fig. 1. Prior Art Manual Application



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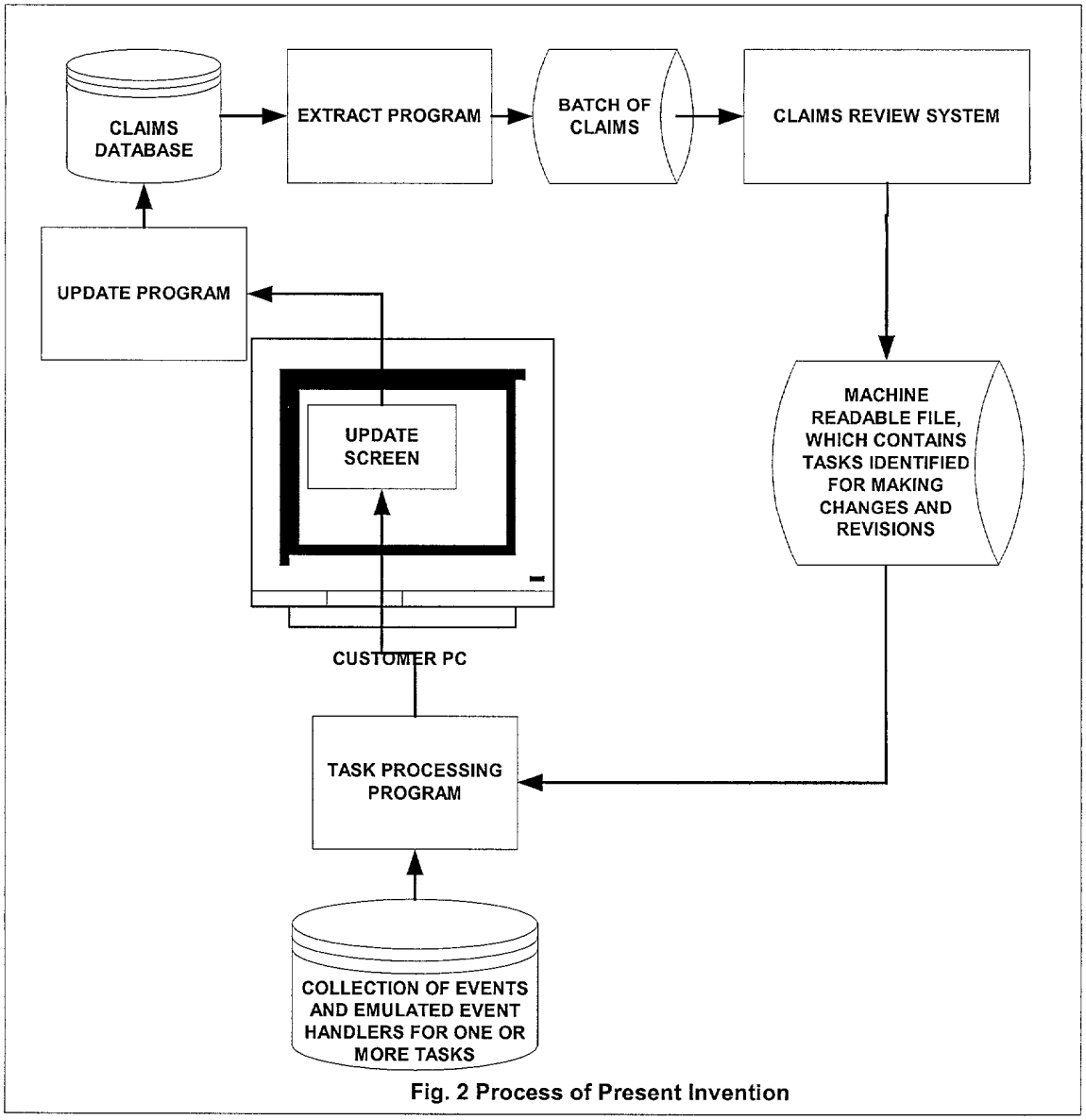

Fig. 2 Process of Present Invention

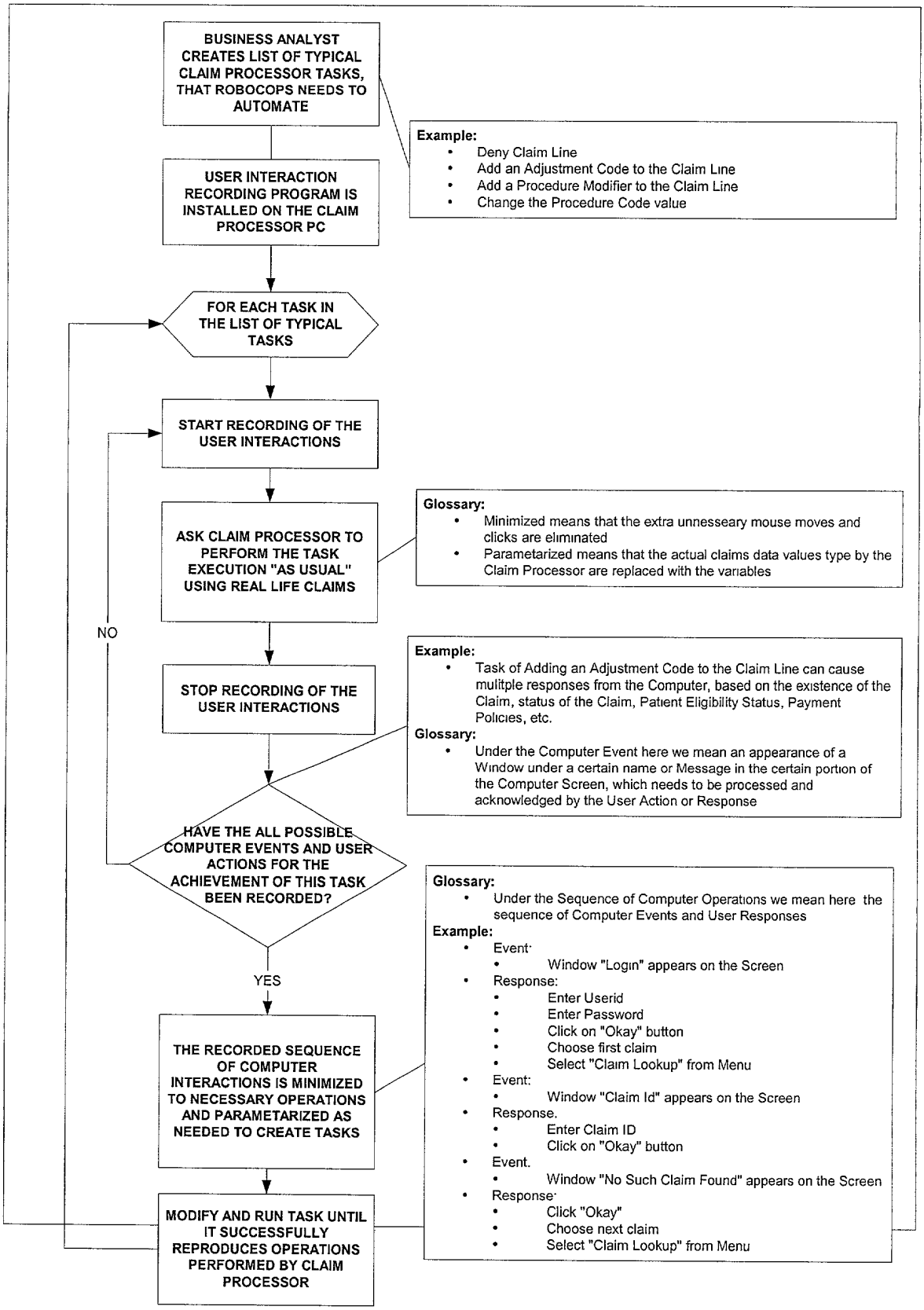

Fig 3. Process Flowchart for Emulation & Recording of Event Handlers for each event of a task

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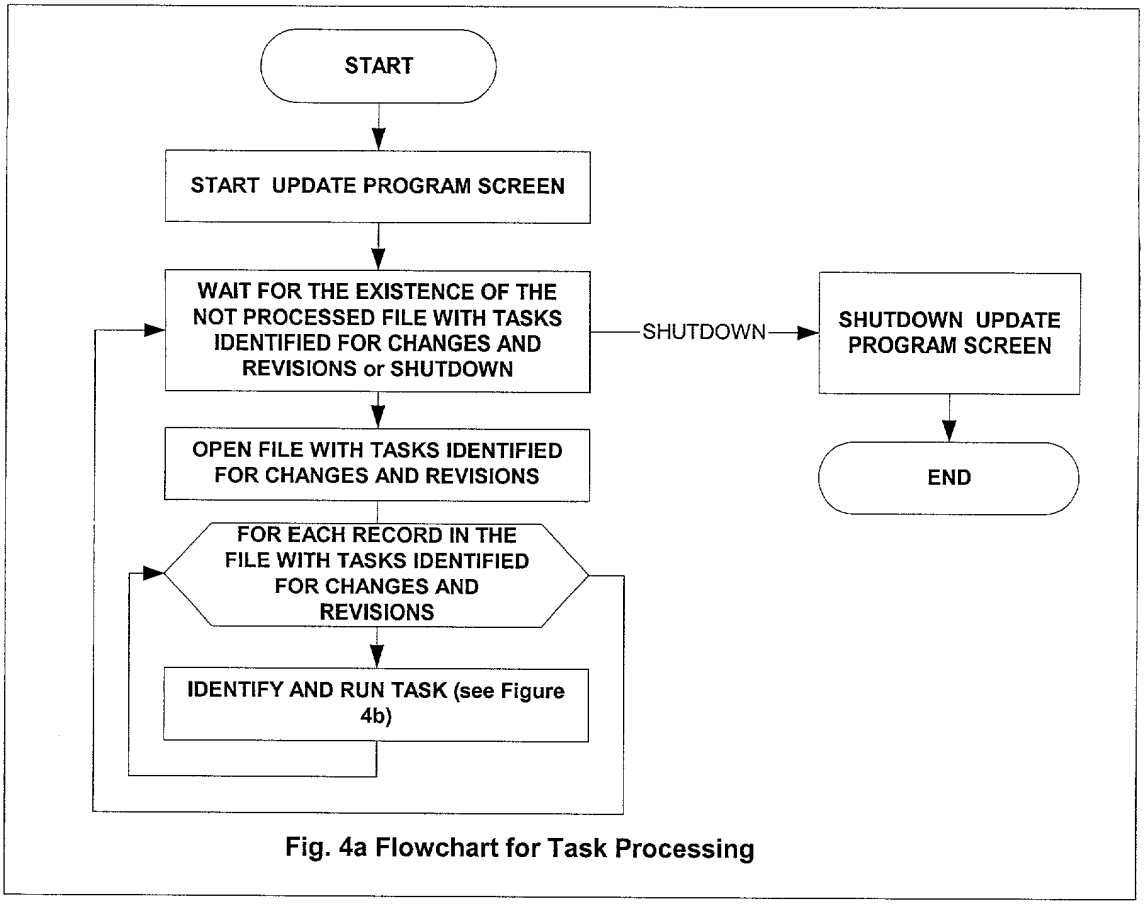

Fig. 4a Flowchart for Task Processing

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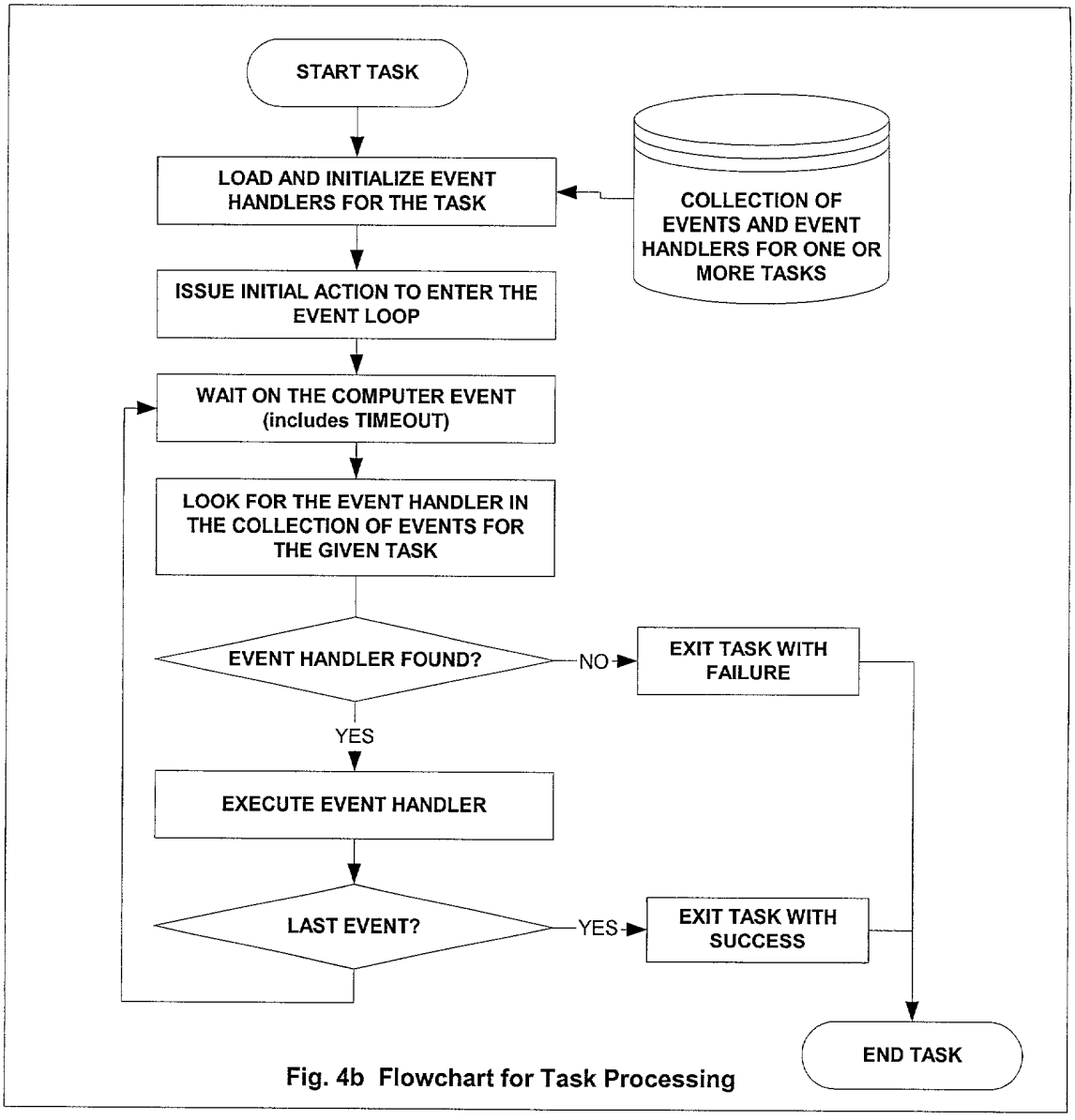

Fig. 4b Flowchart for Task Processing

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Figure 5. Example of a Typical Task

The following simplified example illustrates the collection of Event Handlers which are required for the execution of the task "Add Adjustment Code to the Claim Line".

Event	Handler
<initial>	Select "Claim Lookup" from the Menu
Claim Lookup Window appears	Enter Claim Id Click on "Lookup" button
Claim Display Window appears	Click on the "Lines" button
Claim Lines Display Window appears	Go through all the lines, matching the line number against the given. If the line number found, emulate the double-click on the line. Set "Exit Status" to "Failure – No Line". If the line number not found, click on the "Close" button.
Claim Line Edit Window appears	Enter new Adjustment Code into the adjustment code field. Set "Exit_Status" to "Success". Click on the "Close" button.
Claim is Pended Window appears	Set "Exit Status" to "Failure - Pended". Click on "Okay" button.
Claim Not Found Window appears	Set "Exit Status" to "Failure – Not Found". Click on "Okay" button.
<timeout>	Set "Exit Status" to "Failure – Timeout". Select "Exit" from the Menu

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Figure 6a. Example of typical flow of events

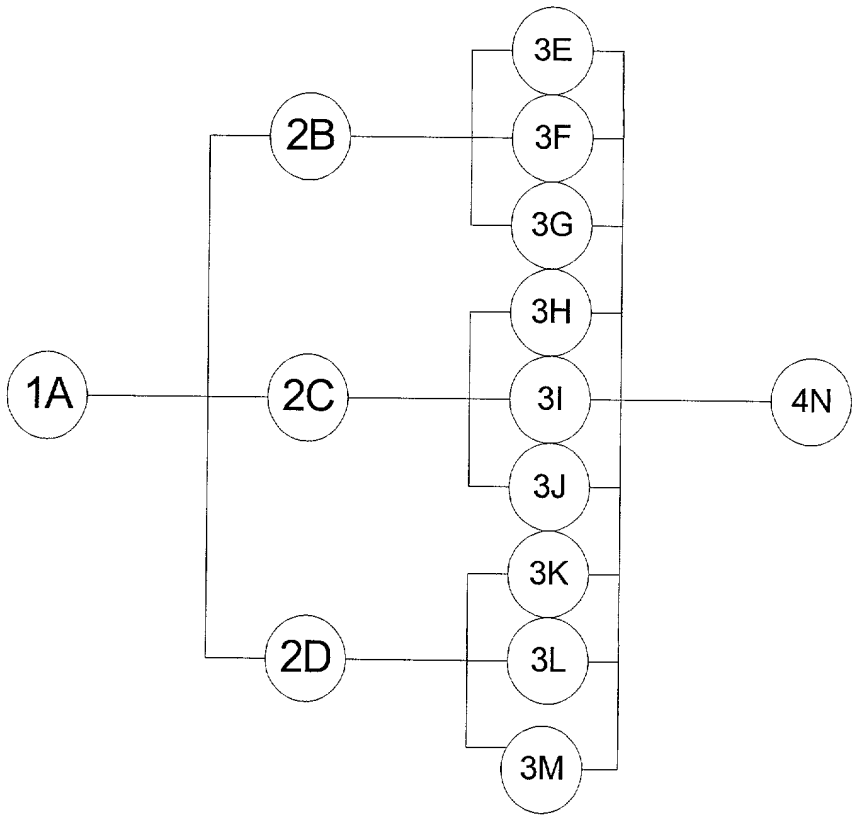

Figure 6b. Prior Patent:

1. A --> B --> E --> N
2. A --> B --> F --> N
3. A --> B --> G --> N
4. A --> C --> H --> N
5. A --> C --> I -->N
6. A --> C --> J --> N
7. A --> D --> K --> N
8. A --> D --> L --> N
9. A --> D --> M --> N

With only 3 steps, and three events potentially occurring at each step Rigid Sequence Programming would have to account for nine potential sequences;

If A --> C --> M occurred, the program would fail.

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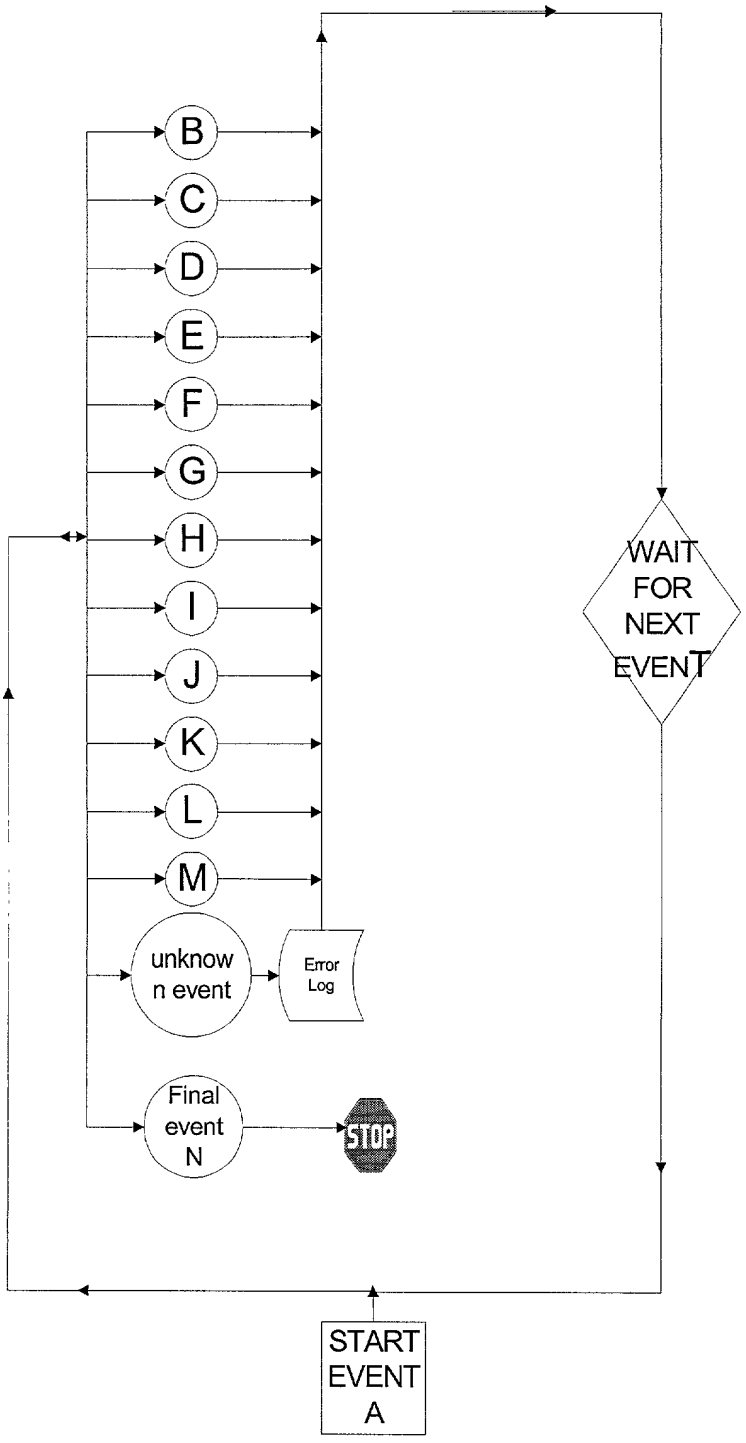
FIGURE 6C: PATENT PROCESS



The invention requires the programming of events and event handlers. The event handlers wait for events to occur, respond, then waits again. If an unknown event occurs, the program can recognize and handle it by noting the event and writing it to a report, without disrupting the continuation of the program. The programming required by this type of programming is minimal compared to the sequences required of the prior patent.

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